

特許協力条約に基づいて公開された国際出願

[illegible]

**DERWENT-ACC-NO:** 1999-214793

**DERWENT-WEEK:** 200217

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**TITLE:** Digital signature generation server for data encryption

**INVENTOR:** TABUKI, T

**PATENT-ASSIGNEE:** CYBER SIGN JAPAN INC[CYBEN] , CADIX INC[CADIN] ,  
CADIX KK[CADIN]

**PRIORITY-DATA:** 1997JP-0236927 (September 2, 1997) , 1997JP-0236926  
(September 2, 1997)

**PATENT-FAMILY:**

<b>PUB-NO</b>	<b>PUB-DATE</b>	<b>LANGUAGE</b>	<b>PAGES</b>	<b>MAIN-IPC</b>
WO 9912144 A1	March 11, 1999	J	049	G09C 001/00
AU 742717 B	January 10, 2002	N/A	000	G09C 001/00
JP 11088321 A	March 30, 1999	N/A	013	H04L 009/32
JP 11088322 A	March 30, 1999	N/A	010	H04L 009/32
AU 9888883 A	March 22, 1999	N/A	000	N/A
EP 1030282 A1	August 23, 2000	E	000	G09C 001/00
CN 1272934 A	November 8, 2000	N/A	000	G09C 001/00
KR 2001023602 A	March 26, 2001	N/A	000	G09C 001/00
BR 9811737 A	November 20, 2001	N/A	000	G09C 001/00

**DESIGNATED-STATES:** AU BR CA CN KR NZ RU SG US AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE DE FR GB IT

**APPLICATION-DATA:**

<b>PUB-NO</b>	<b>APPL-DESCRIPTOR</b>	<b>APPL-NO</b>	<b>APPL-DATE</b>
WO 9912144A1	N/A	1998WO-JP03888	September 1, 1998
AU 742717B	N/A	1998AU-0088883	September 1, 1998
AU 742717B	Previous Publ.	AU 9888883	N/A
AU 742717B	Based on	WO 9912144	N/A
JP 11088321A	N/A	1997JP-0236926	September 2, 1997
JP 11088322A	N/A	1997JP-0236927	September 2, 1997
AU 9888883A	N/A	1998AU-0088883	September 1, 1998
AU 9888883A	Based on	WO 9912144	N/A
EP 1030282A1	N/A	1998EP-0940645	September 1, 1998
EP 1030282A1	N/A	1998WO-JP03888	September 1, 1998
EP 1030282A1	Based on	WO 9912144	N/A
CN 1272934A	N/A	1998CN-0809775	September 1, 1998
KR2001023602A	N/A	2000KR-0702250	March 2, 2000
BR 9811737A	N/A	1998BR-0011737	September 1, 1998
BR 9811737A	N/A	1998WO-JP03888	September 1, 1998
BR 9811737A	Based on	WO 9912144	N/A

**INT-CL (IPC):** A61B005/117, G06T007/00 , G09C001/00 , H04L009/32

**ABSTRACTED-PUB-NO:** WO 9912144A

**BASIC-ABSTRACT:**

NOVELTY - A digital signature server has a dynamic signature encryption key management unit which obtains registered dynamic signature data and a private key from a management database in accordance with an ID transmitted from a

user. The registered dynamic signature data and authentication dynamic signature data transmitted from the user are collated with each other by a dynamic signature collation unit. If both the data are judged to be identical, the key management unit supplies message data transmitted from the user and the private key to an encryption calculation unit, which transmits the message data etc. encrypted by the private key to the key management unit which transmits the message data etc. which are encrypted, i.e. signed, back to the user.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a digital signature generating method.

USE - For data encryption.

ADVANTAGE - It is not necessary for the users to manage their own private keys by themselves, thus is more convenient.

**CHOSEN-                      Dwg.0/7**  
**DRAWING:**

**TITLE-TERMS:              DIGITAL SIGNATURE GENERATE SERVE DATA**  
**ENCRYPTION**

**DERWENT-CLASS: P31 P85 W01**

**EPI-CODES: W01-A05B;**

**SECONDARY-ACC-NO:**

**Non-CPI Secondary Accession Numbers: N1999-158102**